

ABSTRACT OF THE DISCLOSURE

An image pick-up device includes a driving unit to drive an image sensor in such a manner as to read a long-time exposed imaging signal having a long exposure time and a short-time exposed imaging signal having a short exposure time from the image sensor, and a signal processing unit to generate an image signal by synthesizing and processing a signal representing the low-brightness portion of the long-time exposed imaging signal and a signal representing the high-brightness portion of the short-time exposed imaging signal.